

THREE NEW FORMS OF COLEOPTERA

BY W. KNAUS

*McPherson, Kansas****Cicindela longilabris chamberlaini* Knaus, new form**

Size, sculpture and form of *montana*. Black, shining, under surface purplish in both sexes.

The only elytral markings are a slender middle band of white, perpendicular to, but never attaining the outer elytral margin; the band slightly angulated toward the apex at upper third, but lacking at least one-fourth of elytral width of attaining the suture; middle band almost entirely lacking in some females.

Fourteen specimens studied, seven males and seven females. Thirteen were received from W. J. Chamberlain, head of Division of Forest Entomology of the State Agricultural College at Corvallis, Oregon, collected by Mr. Chamberlain in the Stein Mountains in Harney County, Southeast Oregon, June 20-25, 1922. With these specimens I have associated a female collected in Provo Cañon, Provo County, Utah, by Tom Spalding. The specimens show little variation in sculpture and markings.

The type, a male, in the author's collection; paratypes are in Mr. Chamberlain's collection, and in the collection of the author.

This easily recognized form is named in honor of the collector. It is much more shining than typical *montana*, a series of which I have from Wyoming, Utah, Montana, and British Columbia, and no doubt represents a race frequenting higher altitudes than does *montana*.

***Strategus antæus houstonensis* Knaus, new form**

Form broader, more depressed and, therefore, less convex than *antæus*. Color castaneous above and on ventral surface. No appreciable difference in the color of the male and female.

Head similar to the head of *antæus*, Clypeus rugose with raised transverse ridge, near center with small tubercle. Thorax of male with short curved apical horn with blunt tip: Posterior thoracic horns short and pointed, the lateral cavities rugose. Length of male thorax 10.5 mm. Width 15 mm., pronotal portion smooth and shining. Scutellum smooth, except a line of coarse punctures at thoracic juncture. Elytra smooth, shining. Elytral length, male, 20 mm., female, 19.5 mm.; width, male, 20 mm., female, 19.5 mm. Total length, male, 30.5 mm., female, 29.5 mm. Thoracic depression of the female deep,

with marked rugosity, the depression extending over one-half the length of thorax.

A depressed line each side of the elytral suture extends one-fourth the length of elytra, and again appears more than a fourth of the distance from the elytral tip. Apices of elytra roughened with shallow punctures. Pygidium uniformly punctured near base, but less so at apex.

Holotype male and allotype female from **Houston, Texas**, have been in my collection for many years.

This form is broader and more depressed than any form of *antæus* I have seen. The form, *semistriatus* of *antæus* was described by Colonel Casey from Texas, but the single male was 33 mm. in length, and 18 mm. in width, being, therefore, longer and more slender than *Strategus* ssp. *houstonensis*.

Moneilema corpulenta Knaus, new species

Large size, black, somewhat shining.

First antennal joint acute externally and internally at apex. Basal joint of hind tarsi more elongate; anterior femora swollen distally. Thorax without lateral tubercles. Head smooth, polished; posterior part with depressed middle line. Antennæ after first joint slender, two-thirds as long as body; fourth and fifth joints annulate with white pubescence; fifth joint with only basal fifth pubescent. Thorax smooth, rounded, with a few scattered punctures near scutellum; ventral line depressed at middle of thorax. Scutellum smooth, impunctate. Elytra widest at middle, narrowing at both base and apex; scattered punctures on front half of elytra, the reflexed flanks also with scattered punctures becoming smoother toward apex. Elytra with narrowing corrugated lines, tending to coalesce toward apex. Legs smooth, shining, as are the abdominal segments.

Length, female, 26 mm., width 14 mm.

One specimen studied received from D. K. Duncan, Globe, Arizona, collected July 7, 1921. This species would come next to *corrugans* Csy. in Leng's Catalogue.